



San Mateo County Smart Corridor

Presentation for
MTC Arterial Operations Committee
May 11, 2010

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Why a need for a Smart Corridor?

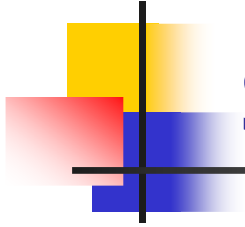
Example Accident at 101/Woodside



Chronicle / Kurt Rogers



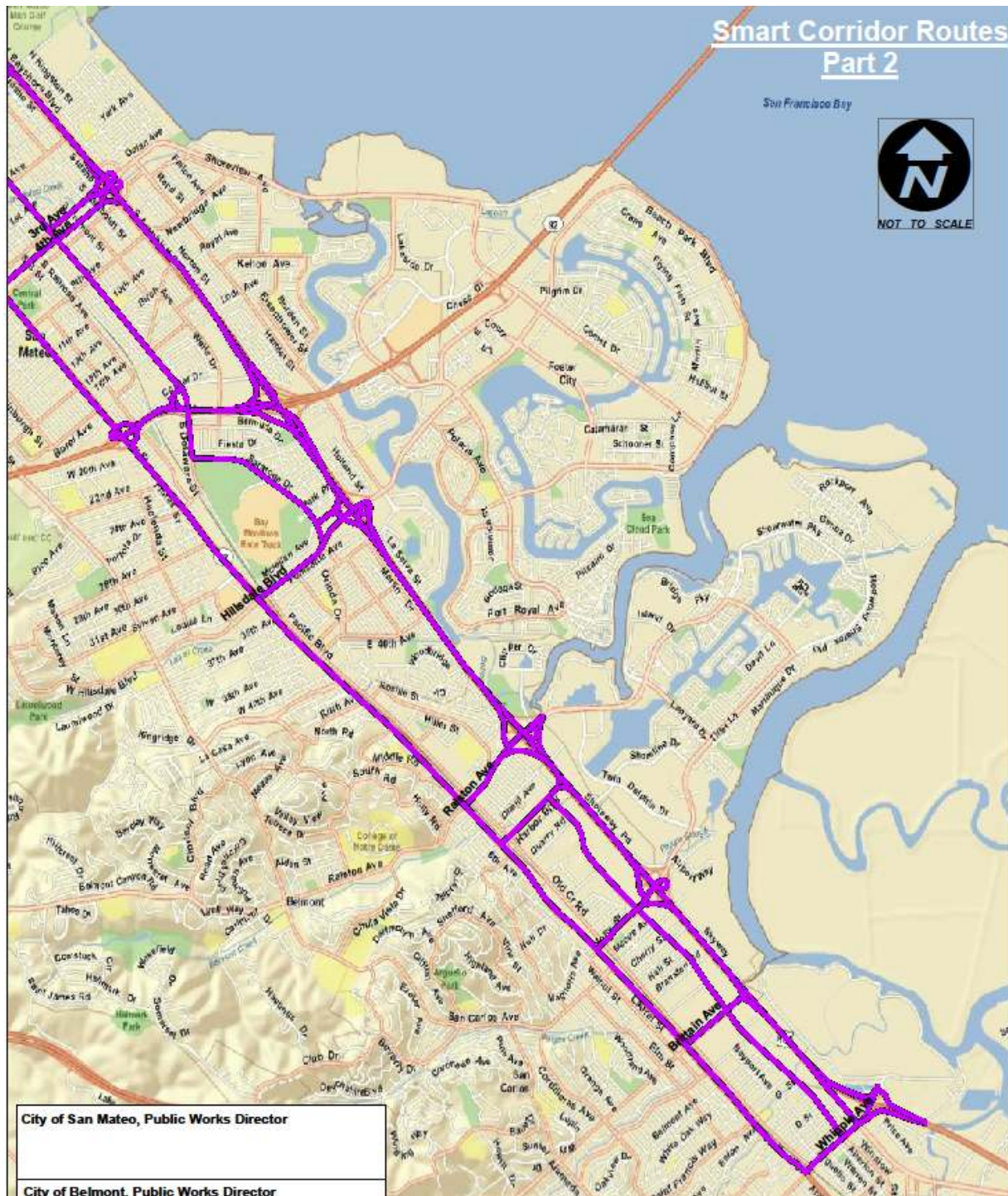
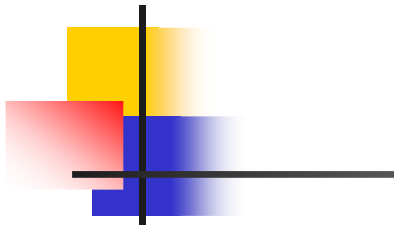
Chronicle / Kurt Rogers



SMART CORRIDOR - Funded Phase

- El Camino Real from I-380 to Whipple Ave
 - Through Cities of:
 - San Bruno, Millbrae, Burlingame, San Mateo
 - Belmont, San Carlos, Redwood City
- Major arterials between El Camino Real and US 101







Partners/Organization

- Project Sponsors
 - C/CAG, Caltrans, SMCTA
- Integrated Project Team
 - Caltrans/CCAG/Consultant/Cities
- Partners
 - MTC, Public Works, Police, Fire, OES, Transit agencies



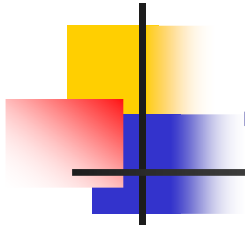
SMART CORRIDOR OBJECTIVES

- US 101 Major Incidents - Caltrans to control and optimize phasing on predetermined routes to improve traffic flow around the incident
- Normal Operations - Allow the corridors to be coordinated and monitored to optimize traffic flow (ECR-Caltrans, Local Streets - Cities)



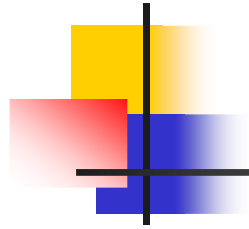
SMART CORRIDOR GOALS

- Remote control of signals, traffic information and monitoring in the project area
- Establish communication system to channel monitoring and control information to Traffic Management Centers
 - Oakland District 4
 - City of San Mateo (County Hub)
- Real time access to traffic video and monitoring by Caltrans and Cities/ County



SMART CORRIDOR CONCEPT

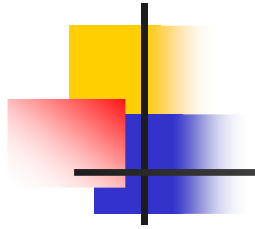
- Intelligent Transportation System Technologies
- Pre-Negotiated Signal Timing
 - Local Roads
 - State Roads
- Pre-Negotiated Agreements
 - Caltrans
 - Local (Cities/ County)



Inter-Agency Coordination

- Steering Committee
- Stake Holder Committee
- General MOU
- Ownership & Maintenance Agreements
- Operations Agreements

Smart Corridor Project



The project would install Intelligent Traffic Systems (ITS) equipment (e.g. cameras, dynamic signs, and signal controller communications) along pre-identified state and local routes

Small Dynamic Signs



Fixed Cameras

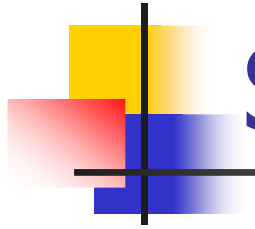


**Trailblazer Signs
(example)**



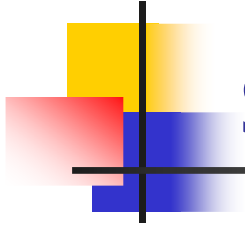
PTZ





SMART CORRIDOR BENEFITS

- Alternate route with timing optimized for incident management
- Local event management timing options for El Camino Real(Non-incident)
- Access to all video, signals and monitors to optimize normal operations
- Upgrade to local signals and equipment



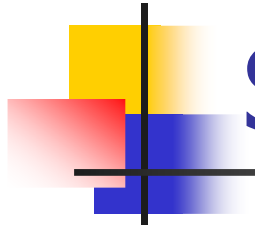
SMART CORRIDOR FUNDING

- Fully Funded (\$25M)
 - County STIP \$11M
 - TLSP \$10M
 - Sales Tax \$3.0M
 - Local \$1.0M



SMART CORRIDOR IMPLEMENTATION STATUS

- Caltrans – Design/Construct along ECR
- C/CAG – Design/Construct along local roads
- Federal ITS (SEMP) process completed
- Project Report/Environmental Doc completed
- A Demo Project is ready for bid
- Draft Ownership/Maintenance Agreement (in-progress)



SMART CORRIDOR SCHEDULE

- Demo Project to Construction 7/1/2010
- Project #4 PS&E Summer 2010
- Project #3 PS&E Early Fall 2010
- Complete Construction 4/30/2012